ಟೆಂಡರ್ ಸಂಖ್ಯೆ TS NO ಟೆಂ/ಶ್ರೀ ಕಾಂ/12/21-22 dt 5/1/22. Job code No 012-22-000009
AS NO. ಕಾರ್ಯಾದೇಶ ಸಂಖ್ಯೆ 01/22-23 dt 12/4

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

Serial No. Providing LED Street light fitting/Poly/control enclosure/control wiring at 684509

Name of work Data/Universal Plaza in ward No 12.

From To

Name of Contractor of nature of Agency M/s Nagaraju Lingaiah (Veetha Electricals)

Date of commencement of work LED/EE/DZ/TEND/WO/000012/22-23 dt 5/5/2022

Agreement No. LED/EE/DZ/Tend/AG/05/22-23 dt 26/4/22.

Date	Full description, etc, of work	Dimensions Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
1)	Supply of LED Street light luminaire with pressure die cast all housing body for optional for Detailed Spec & Details as per EMB Street light 90 watts.		1800	Nos	7625-00	Rs.	13725720/-
2)	Fabricating supplying and erecting swaged tubular pole of height ... mtr having three for Detailed Spec & Details as per EMB qty. (5mt Ht, 165.1mm dia 4.85mm thick x 2m Ht, 139.7mm dia 4.50 thick x 2m Ht, 114.3mm dia 3.65mm thick						

EFC
23/7/22
EE (Ele)
DZ

JUNIOR ENGINEER (Ele)

ASST. EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	c/f Rs 15 410 5232		106	Nos	140.58	-E-	1490148=00
3)	Supplying and fixing g. (Hot dip) GI ms. Bracket suitable for out door luminaries and mounted on octagonal pole using nylon bolts, nuts etc. complete high arm bracket as per IS 2713 standard complete in all		106	Nos	27.49-28	-E-	238423=68
4)	Fixing halogen/metal halide/SVL/FL/LED flood light fitting over existing pole/wall complete including cleats, bolts, nuts and wiring with suitable capacity wire for details not GMB.		1500	Nos	186.38	-E-	335475=00 335484

T.N. Reddy
JUNIOR ENGINEER (Ele)

ASST EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike

M. A. R. 57 (Rule 116) No. E
Measurement Book

684510

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
5)	Supplying and fixing g... mm dia GI Pole complete for Detailed specs & Details not GMB. 32mm dia GI pipe		1750	Nos	889-75	-E-	1556231-25
6)	Supplying g. (1.1kV) LT UG cable XLPE or equivalent for Detailed specs & Details not GMB. 4 core 16 sqmm		1198 1197	mts	159-75	Pkg	191220 ~~191220-75~~ 191540-25
7)	Wiring for lighting/power cct using one 4 core insulated copper grade stranded PVC wire						

T.N. Reddy
JUNIOR ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike

ASST EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Mahadevapura Zone, Bangalore

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Cutting in open or of mining 4.5 sqmm	Cum	cabl 4900	System mtrs	9.59	P/rs	46991=00 ~~46966-50~~
3)	Supplying of 1.1kV LT XLPE cable for Detailed Espec & Detailed net EMB 3.5 core 25 sqmm.		678	mtrs	191.70	P/rs	129972-60
4)	Labour charges for laying of 1.1kV class XLPE cable in cutting trench & carrying/ fetching/ lowering on wall or pole of required 6.5 sqmm to 16 sqmm for Detailed net EMB.		1200	mtrs	12.65	P/rs	15180-00
5)	Labour charges for laying of 1.1kV class XLPE						

C.N. Bandi
JUNIOR ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike

ASST EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

M. A. R. 57 (Rule 116) No. E
Measurement Book
684511

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Cable in supting trench cut R/B/ extra cost Rip/ on wall/ on pole of required 25 sqmm to 35 sqmm		678	mtrs	16.51	P/rs	11193-78
4)	Digging of trench of 0.6m deep x 0.50 mt wide refilling the trench to the required ground level and consolidating 5% cubic (as per and SR KSRB 12-13, P-7)						
	8m soil (ordinary)		1000	mtrs	80.94	P/rs	80940=00

C.N. Bandi
JUNIOR ENGINEER (Ele)

ASST EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
12)	Supplying, fixing, wiring, earth slot made for Detailed Estimate vide EMB		8	NS	3194.18	-E-	25557-44
13)	supplying and running of UI/CCDB type for grounding terminals using necessary fixing materials of required 2543mm cut strip.		400	mtrs	79.85	P/M	31951—
14)	fabricating supplying and mounting MS box for Detailed Estimate vide EMB 16 SWG	245000 Sqcm			037	P/Sqcm	~~91323-75~~ 90650-00

E.N. Badadi
JUNIOR ENGINEER (Ele)

ASST EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

684512

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
15)	supplying and fixing angle iron frame work fabricated out of M.S. angle iron ... and MS flat ... with bolts, washers etc. and painted with 2 coats of red oxide and from two coats of approved paint 40x40x6mm		25	mtrs	271.58	P/M	6789.38
16)	supplying and fixing moulded case circuit breaker (MCCB) for Detailed Estimate vide EMB 100A 25KA		7	NS	6816.=	-E-	47712-00

E.N. Badadi
JUNIOR ENGINEER (Ele)

ASST EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
17)	supplying and fixing micro processor based astronomical timer switch with any necessary bolts, nuts and washers		7	NS	4991.95	-E	30043-65
18)	supplying and fixing of 4 pole power contactor with NO/NC contacts on supplying wood/pole board using necessary bolts, nuts washers and wiring it complete with AC-3 Rating as per IS-13947 100 to 125A		7	NS	7668/-	-E	53676=00
	for Detailed specs & Detailed est refer EMB.						
19)	supplying and fixing of miniature circuit breaker						
	For Detailed specs & Detailed est refer EMB						

T.N. Babu
JUNIOR ENGINEER (Ele)

ASST. EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike

M. A. R. 57 (Rule 116) No. E 684513
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	50-63A TPN		10	NS	2552/-	-E	25528-45
20)	supplying 4mm thick plastic sheet with necessary notching for fixing switch, regulator etc and fixing on existing wooden or metal box using N.F. screws.		7000	54cm	5.29	54cm	20300=00 ~~20125.50~~
21)	supplying and drawing thermal multicore						
	for Detailed specs & Detailed est refer EMB.						

T.N. Babu
JUNIOR ENGINEER (Ele)

ASST. EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	3Cx1.5sqmm		250	nos	55.55		14645.00
22)	wiring for lighting point		cost wiring on				
	for Detailed Dec & Details			GMB.			
			62	nos	74.55	-/-	4622-10
23)	supplying tinned copper		lugs	and crimping			
	and wiring to terminal		point for wire				
	of the following size (a)		1.5sqmm				
			150	nos	3.20	-/-	480.00
24)	b) supplying tinned copper		lugs	and crimping			

T.N. Baddy
JUNIOR ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike

ASST. EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike

M. A. R. 57 (Rule 116) **No. E** 684514
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	and wiring to terminal	point for wire					895-20
	of the following size 6sqmm		120	nos	7.46	-/-	
25)	c) supplying tinned copper	lugs	and	lugs and			
	crimping and wiring to terminal	point for wire					
	of the following size 16sqmm						
			600	nos	13.25	-/-	7949.16
							7950=00

T.N. Baddy
JUNIOR ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike

ASST. EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
26)	Supplying cut fixing of cable 'A' (medium duty) cut pipe & wall structure not less from 3.25mm on public wall/structure crossing with necessary clamping supports for UG cable of 1.1kV 40mm				350.7 Pit		3507-00
27)	Supplying cut fixing of cut 1 year old hot bitumen to 1.1kV cable UG cable bitumen with necessary bituminous compound complete with terminals, clamps, bolts, nuts etc complete						
	st 25sqmm		8	NE	37.7	15	2982=00

T.N. Vaddaly
JUNIOR ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike

ASST EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

M. A. R. 57 (Rule 116) No. E
Measurement Book

684515

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc. of work		Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
28)	1.1kV LT Aerial bunched cable. confirming for Detailed specs & Details not GMD.						
29)	3X25+1X25+1X16 sqmm		Direct light				
			5.695 km		156555=00		891580-73 ~~890197-95~~
29)	Stringing of 1.1kV grade Aerial bunched 3 core cable XLPE insulation & 25 (3x25)						

T.N. Vaddaly
JUNIOR ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike

ASST. EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	price conductor) + (1x78) (grounded multiway) + (1x75) (Direct light control)		5.695 km		23929-49		136278-45 ~~136158-77~~ VR
30)	RCC pole - erecting (excavation. for Details see E.M.B.)		10	No	6664-77	E	66647-70
31)	LT2 Rim cleat Arm with clamp bolt nut & washers with bracket MS for RCC pole.		80	No	291-81	E	23344-80
32)	c) NO 8 strain insulator		29 ~~30~~ VR	No	17.04	E	~~511-20~~ VR 494-16

C.N. Prasad
JUNIOR ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike

ASST. EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike

M. A. R. 57 (Rule 116) No. E
Measurement Book
684516

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
33)	Laying of UG cable by trenching excavating by adopting horizontal boring & laying of cable including reparation at site with HDPE pipe 1) Non-pail 5/6" bore		30	mtr	903.12	E	27093-60
34)	Supply of LED pole mounting tube post top for Details see Details see EMB post top bracket with 35 watt		75	No	6816-00	E	511200-00

C.N. Prasad
JUNIOR ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike

ASST. EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Bheemahalli Zone, Bangalore

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
35)	Supply of LED Street light luminaire						
	As per Detailed spec & Details						
	LED Street light 120watt		105	Nos	9798/- Rs.		1028790=00
36)	Supply of LED flood light luminaire with						
	As per Detailed spec & Details						
			6	Nos	9372/- Rs.		56232=00
37)	Fabricating, supplying and erection of						
	As per Detailed spec & Details						
	3mtr - TOP 70mm and bottom 130mm dia.						
			75	Nos	5708-40 Rs.		428130=00

JUNIOR ENGINEER (Ele)

ASST. EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike

M. A. R. 57 (Rule 116) No. E
Measurement Book

Serial No. .....
684517

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
38)	Earthwork excavation for foundation of buildings						
	As per Detailed spec & Details						6802
	ordinary soil -		19	8.75	CUM 362-78	P/cum	6892=82
39)	Providing and maintaining earthing pit filtering						
	As per Detailed spec & Details						
			32	Sqmtrs	291-76	Pmt	9320=32
40)	Providing and laying in position plain cement						

JUNIOR ENGINEER (Ele)

ASST. EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	1:4:8 with OPC @ 18 bags with wg worm						
	for Detailed Eqns & Details wt EMB						5810-187
			0.94	cum	6181.95	P/cum	5794-73
							1N2
41)	providing T.M.T Fe415 deformed bars for						
	R-cc work including bending cutting						
	for Detailed Eqns & Details wt EMB						
			582	kgs	96.69	P/kg	~~5745082~~
							5743176 1N2
42)	Providing and laying of Cement concrete using						
	~~[illegible]~~ 20mm and down size granite coarse						
	aggregates including and the fine aggregates of						

JUNIOR ENGINEER (Ele)

ASST EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara

M. A. R. 57 (Rule 116) **No. E**
Measurement Book

684518

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	ready mixed concrete (RMC) M20 for RCC works						
	for Detailed Eqns & Details wt EMB						
			8	cum	6894.94	—	55159-52
							55848-65 1N2
					Total Rs		21464833-96
	Add VAT 12% on total Rs				2146442 3=00		2575750=00
	Add BWSCOM charges						96866=00
						Total Rs	24137699=34
							24137069=00

JUNIOR ENGINEER (Ele)

ASST EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	BESCOM charges RT NO			net purchase Bill No.			
	~~7155699998998 dt 22/7/22~~						
RTNO	6648955303 2 dt 21/7/22	1	10150/-	4/22	03535		671-40
	6075835407887 dt 21/7/22	1	25371/-		03532		1730 87
	4080367292944 dt 21/7/22	1	30439/-		03534		671=40
	8654697 7067 dt 21/7/22	1	15230/-		03533		1730=87
					03582		671=40
	Certificate:-	LS.		1LS			5475.54
	Certify that the watches been carried out satisfactorily.						
	For Vedha Electricals Proprietor		JUNIOR ENGINEER (Elg) Bruhath Bangalore Mahanagara Palike Dasarahalli Zone, Bangalore		ASST EXECUTIVE ENGINEER (Elg) Bruhath Bangalore Mahanagara Palike Dasarahalli Zone, Bangalore		

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

684519

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Audited and admitted for Rs. 24137069=00 Passed by Cheque for Rs. 23199170=00 (Two crore Thirty one lakh ninety nine thousand one hundred seventy) by adjustment Rs. 937899=00 Accounts Superintendent Exe. Engineer (Elg) B.B.M.P. Dasarahalli Division						

Scanned by CamScanner